

## STIC Biotechnology Systems Branch

### RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/157,984C  
Source: FW16  
Date Processed by STIC: 7/20/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

## Raw Sequence Listing Error Summary

### ERROR DETECTED

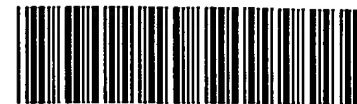
### SUGGESTED CORRECTION

SERIAL NUMBER:

09/157,984C

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics    The number/text at the end of each line "wrapped" down to the next line. This may occur if your file  
     Wrapped Aminos        was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will  
                               prevent "wrapping."
  
- 2      Invalid Line Length    The rules require that a line **not exceed** 72 characters in length. This includes white spaces.
  
- 3      Misaligned Amino        The numbering under each 5<sup>th</sup> amino acid is misaligned. Do **not** use tab codes between numbers;  
     Numbering                use **space characters**, instead.
  
- 4      Non-ASCII                The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. Please  
                                     ensure your subsequent submission is saved in **ASCII** text.
  
- 5      Variable Length        Sequence(s)          contain n's or Xaa's representing more than one residue. **Per Sequence Rules**,  
                                     each n or Xaa can **only represent a single residue**. Please present the **maximum** number of each  
                                     residue having variable length and indicate in the <220>-<223> section that some may be missing.
  
- 6      PatentIn 2.0            A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid  
     "bug"                      sequences(s)         . Normally, PatentIn would automatically generate this section from the  
                                     previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to  
                                     the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for**  
                                     **Artificial or Unknown sequences.**
  
- 7      Skipped Sequences      Sequence(s)          missing. If intentional, please insert the following lines for **each** skipped sequence:  
     (OLD RULES)                (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                                     (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
                                     (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                                     This sequence is intentionally skipped  
  
                                     Please also adjust the "(ii) NUMBER OF SEQUENCES." response to **include** the skipped sequences.
  
- 8      Skipped Sequences      Sequence(s)          missing. If **intentional**, please insert the following lines for **each** skipped sequence.  
     (NEW RULES)                <210> sequence id number  
                                     <400> sequence id number  
                                     000
  
- 9      Use of n's or Xaa's      Use of n's and/or Xaa's have been detected in the Sequence Listing.  
     (NEW RULES)                Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.  
                                     In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.
  
- 10      Invalid <213>            Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or  
     Response                    scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or  
                                     is Artificial Sequence
  
- 11      Use of <220>            Sequence(s)          missing the <220> "Feature" and associated numeric identifiers and responses.  
                                     Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or  
                                     "Unknown." Please explain source of genetic material in <220> to <223> section.  
                                     (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
  
- 12      PatentIn 2.0            Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file,  
     "bug"                      resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence  
                                     listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
  
- 13      Misuse of n/Xaa        "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



IFW16

## RAW SEQUENCE LISTING

DATE: 07/20/2005

PATENT APPLICATION: US/09/157,984C

TIME: 11:09:01

Input Set : D:\SEQUENCE LISTING.txt

Output Set: N:\CRF4\07202005\I157984C.raw

3 <110> APPLICANT: Hong Kong University of Science & Technology  
 4 Lai, Kwok On  
 5 Ip, Nancy Yuk-Yu  
 7 <120> TITLE OF INVENTION: CLONING OF A NOVEL NEUROTROPHIN NT-7 FROM CARP  
 9 <130> FILE REFERENCE: 32144183-000009  
 11 <140> CURRENT APPLICATION NUMBER: 09/157,984C  
 12 <141> CURRENT FILING DATE: 1998-09-22  
 14 <160> NUMBER OF SEQ ID NOS: 14  
 16 <170> SOFTWARE: PatentIn version 3.3  
 18 <210> SEQ ID NO: 1  
 19 <211> LENGTH: 133  
 20 <212> TYPE: PRT  
 21 <213> ORGANISM: Cyprinus carpio  
 23 <400> SEQUENCE: 1  
 25 Lys Ala Asn Asp Phe Leu His Arg Gly Glu Tyr Ser Val Cys Asp Ser  
 26 1 5 10 15  
 29 Glu Glu His Trp Val Gly Asn Leu Thr Gln Ala Thr Asp Leu Arg Gly  
 30 20 25 30  
 33 Asn Glu Val Thr Val Leu Pro His Val Arg Ile Asn Asn Val Val Lys  
 34 35 40 45  
 37 Lys Gln Met Phe Tyr Glu Thr Thr Cys Arg Val Ser Lys Pro Ile Gly  
 38 50 55 60  
 41 Ala Pro Lys Pro Gly Gln Gly Val Ser Gly Val Lys Ala Gly Thr Ser  
 42 65 70 75 80  
 45 Ser Cys Arg Gly Ile Asp Asn Glu His Trp Asn Ser Tyr Cys Thr Asn  
 46 85 90 95  
 49 Val His Thr Phe Val Arg Ala Leu Thr Ser Tyr Lys Asn Gln Ile Ala  
 50 100 105 110  
 53 Trp Arg Phe Ile Arg Ile Asn Ala Ala Cys Val Cys Val Leu Ser Arg  
 54 115 120 125  
 57 Asn Ser Trp Arg His  
 58 130  
 61 <210> SEQ ID NO: 2  
 62 <211> LENGTH: 519  
 63 <212> TYPE: DNA  
 64 <213> ORGANISM: Cyprinus carpio  
 66 <400> SEQUENCE: 2  
 67 ccaggccccgc gagtcgggcg gaaggccaac gacttcttgc atcgcgggcga gtactctgtg 60  
 69 tgtgacagcg aagagcactg ggttggaac ctgacccaag ccacagactt acggggcaat 120  
 71 gaagtcacgg tgctgccaca tgctgcac aacaacgtgg tgaagaagca gatgttctac 180  
 73 gagaccagt gccgtgtgtc gaagcccatc ggggccccca agccgggtca aggagtcagc 240  
 75 ggcgttaaag caggaacctc tagctgtcgt gggatcgaca acgagcactg gaactcttat 300  
 77 tgcaccaacg tgcacacctt tgtgcgggcg ttaacgtcct acaaaaacca gattgcctgg 360

Does Not Comply  
 Indexed Diskette Needed

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## RAW SEQUENCE LISTING

DATE: 07/20/2005

PATENT APPLICATION: US/09/157,984C

TIME: 11:09:01

Input Set : D:\SEQUENCE LISTING.txt

Output Set: N:\CRF4\07202005\I157984C.raw

79 aggttcatcc gaatcaacgc cgcttgcgtyg tgcgtectca gccgcaactc atggaggcat 420  
 81 tgactgacat attgtttcag ccaatccact gcagcctcct gtcgtaagcc cctcccaccc 480  
 83 atcaataata acaacagccg cactgccaac gttggatgat 519

86 &lt;210&gt; SEQ ID NO: 3

87 &lt;211&gt; LENGTH: 6

88 &lt;212&gt; TYPE: PRT

89 &lt;213&gt; ORGANISM: Artificial

91 &lt;220&gt; FEATURE:

92 &lt;223&gt; OTHER INFORMATION: Peptide

94 &lt;400&gt; SEQUENCE: 3

96 Tyr Ser Val Cys Asp Ser

97 1 5

100 &lt;210&gt; SEQ ID NO: 4

101 &lt;211&gt; LENGTH: 18

102 &lt;212&gt; TYPE: DNA

103 &lt;213&gt; ORGANISM: Artificial

105 &lt;220&gt; FEATURE:

106 &lt;223&gt; OTHER INFORMATION: Oligonucleotide

108 &lt;400&gt; SEQUENCE: 4

109 gtactctgtg tgtgacag

112 &lt;210&gt; SEQ ID NO: 5

113 &lt;211&gt; LENGTH: 6

114 &lt;212&gt; TYPE: PRT

115 &lt;213&gt; ORGANISM: Artificial

117 &lt;220&gt; FEATURE:

118 &lt;223&gt; OTHER INFORMATION: Peptide

120 &lt;400&gt; SEQUENCE: 5

122 Ile Asn Ala Ala Cys Val

123 1 5

126 &lt;210&gt; SEQ ID NO: 6

127 &lt;211&gt; LENGTH: 17

128 &lt;212&gt; TYPE: DNA

129 &lt;213&gt; ORGANISM: Artificial

131 &lt;220&gt; FEATURE:

132 &lt;223&gt; OTHER INFORMATION: Oligonucleotide

134 &lt;400&gt; SEQUENCE: 6

135 cacacatgca gcgttga

138 &lt;210&gt; SEQ ID NO: 7

139 &lt;211&gt; LENGTH: 17

140 &lt;212&gt; TYPE: DNA

141 &lt;213&gt; ORGANISM: Artificial

143 &lt;220&gt; FEATURE:

144 &lt;223&gt; OTHER INFORMATION: Oligonucleotide

146 &lt;400&gt; SEQUENCE: 7

147 aaatgatacg gggagcc

150 &lt;210&gt; SEQ ID NO: 8

151 &lt;211&gt; LENGTH: 17

152 &lt;212&gt; TYPE: DNA

153 &lt;213&gt; ORGANISM: Artificial

*insufficient explanation for 'Artificial Sequence'  
 (give source of genetic material)  
 (see item 11 on Error Summary sheet)*

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17

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## RAW SEQUENCE LISTING

DATE: 07/20/2005

PATENT APPLICATION: US/09/157,984C

TIME: 11:09:01

Input Set : D:\SEQUENCE LISTING.txt

Output Set: N:\CRF4\07202005\I157984C.raw

155 <220> FEATURE:  
 156 <223> OTHER INFORMATION: Oligonucleotide  
 158 <400> SEQUENCE: 8  
 159 aaggggcgga gtctcag 17  
 162 <210> SEQ ID NO: 9  
 163 <211> LENGTH: 19  
 164 <212> TYPE: DNA  
 165 <213> ORGANISM: Artificial  
 167 <220> FEATURE:  
 168 <223> OTHER INFORMATION: Oligonucleotide  
 170 <400> SEQUENCE: 9  
 171 cttagatcgt gtgcccatg 19  
 174 <210> SEQ ID NO: 10  
 175 <211> LENGTH: 19  
 176 <212> TYPE: DNA  
 177 <213> ORGANISM: Artificial  
 179 <220> FEATURE:  
 180 <223> OTHER INFORMATION: Oligonucleotide  
 182 <400> SEQUENCE: 10  
 183 gggtgagtct tcaatgctg 19  
 186 <210> SEQ ID NO: 11  
 187 <211> LENGTH: 19  
 188 <212> TYPE: DNA  
 189 <213> ORGANISM: Artificial  
 191 <220> FEATURE:  
 192 <223> OTHER INFORMATION: Oligonucleotide  
 194 <400> SEQUENCE: 11  
 195 ataacgtgga cgtgtgccc 19  
 198 <210> SEQ ID NO: 12  
 199 <211> LENGTH: 19  
 200 <212> TYPE: DNA  
 201 <213> ORGANISM: Artificial  
 203 <220> FEATURE:  
 204 <223> OTHER INFORMATION: Oligonucleotide  
 206 <400> SEQUENCE: 12  
 207 caagagcggg ccacacctc 19  
 210 <210> SEQ ID NO: 13  
 211 <211> LENGTH: 6  
 212 <212> TYPE: PRT  
 213 <213> ORGANISM: Artificial  
 215 <220> FEATURE:  
 216 <223> OTHER INFORMATION: Peptide  
 218 <400> SEQUENCE: 13  
 220 Phe Tyr Glu Thr Thr Cys  
 221 1 5  
 224 <210> SEQ ID NO: 14  
 225 <211> LENGTH: 5  
 226 <212> TYPE: PRT  
 227 <213> ORGANISM: Artificial

RAW SEQUENCE LISTING

DATE: 07/20/2005

PATENT APPLICATION: US/09/157,984C

TIME: 11:09:02

Input Set : D:\SEQUENCE LISTING.txt

Output Set: N:\CRF4\07202005\I157984C.raw

229 <220> FEATURE:

230 <223> OTHER INFORMATION: Peptide

232 <400> SEQUENCE: 14

234 Ala Cys Val Cys Val

235 1 5

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 07/20/2005  
PATENT APPLICATION: US/09/157,984C      TIME: 11:09:03

Input Set : D:\SEQUENCE LISTING.txt  
Output Set: N:\CRF4\07202005\I157984C.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4,5,6,7,8,9,10,11,12,13,14

**VERIFICATION SUMMARY**

DATE: 07/20/2005

PATENT APPLICATION: US/09/157,984C

TIME: 11:09:03

Input Set : D:\SEQUENCE LISTING.txt

Output Set: N:\CRF4\07202005\I157984C.raw